

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-329440

(43)Date of publication of application : 30.11.1999

(51)Int.Cl.

H01M 4/62

H01M 4/02

H01M 10/40

(21)Application number : 10-129213

(71)Applicant : SONY CORP

(22)Date of filing : 12.05.1998

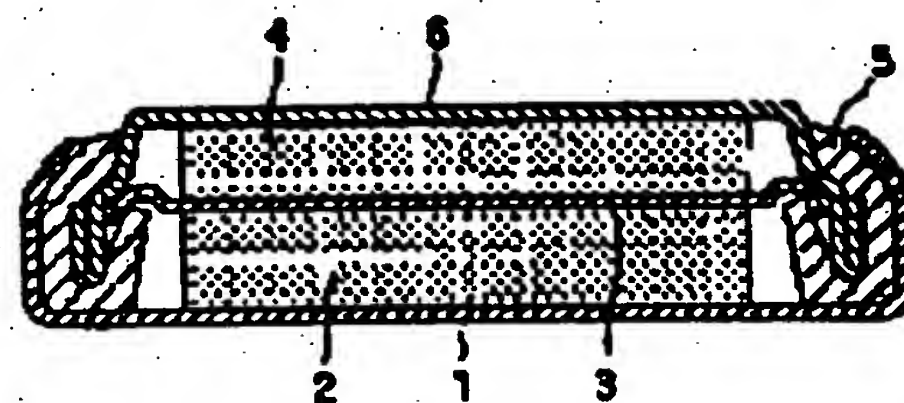
(72)Inventor : MORI TAKAYOSHI

(54) NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a non-aqueous electrolyte secondary battery which is excellent in characteristics of both an initial capacity and a capacity after the passage of cycles, by enabling adhesion to be secured to a collector or the like without damaging conductivity of a lithium ion.

SOLUTION: A core/shell combined fine grain, having both a core part made of fluorocarbon polymer which is insoluble in organic solvent, and a shell part made of a polymer which is soluble or swells in organic solvent, and polyimide, for example, polysulfone polyimide which dissolves in common organic solvent with the shell part of the core/shell combined fine grain, are used as binders of a positive electrode 2 and a negative electrode 4. A mean grain size of the core/shell combined fine grain is 0.05-1 μm , and the weight ratio of the core part to the shell part is 98:2 to 50:50.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

BEST AVAILABLE COPY

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office

BEST AVAILABLE COPY